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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/904,022	07/12/2001	Donald Henry Willis	PU010149	1946

7590 06/18/2007
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EXAMINER

CHOWDHURY, NIGAR

ART UNIT	PAPER NUMBER
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2621

MAIL DATE	DELIVERY MODE
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06/18/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 09/904,022	Applicant(s) WILLIS, DONALD HENRY	
	Examiner Nigar Chowdhury	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 February 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,726,711 by Boyce in view of US Patent No. 6,078,721 by Uchimi et al.

2. Regarding **claim 1**, Boyce discloses a method of recording onto a storage medium a video segment (Fig. 1 (16), Col. 6 lines 33-49) comprising the steps of:

- Receiving video segment, wherein video segment contains at least one predictive picture containing intra macroblocks (Fig. 1, Col. 4 lines 20-24, Col. 6 lines 33-Col. 7 lines 11)

Boyce fails to disclose

- Selectively converting at least one predictive picture into an intra picture thereby replacing at least one predictive picture with intra picture in video segment.

Uchimi discloses

- Selectively converting at least one predictive picture into an intra picture thereby replacing at least one predictive picture with intra picture in video

segment (Col. 5 lines 49-67, Col. 8 lines 36-Col. 9 lines 7, Fig. 16, Col. 11 lines 41-57).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the proposed combination of Boyce's system to include selectively converting system, as taught by Uchimi, for generating pictures specially reproducible, for example, with rapid forward or rapid reverse feeding.

3. Regarding **claim 2**, Boyce discloses video segment contains at least one introductory predictive picture (Fig. 1, Col. 4 lines 20-24, Col. 6 lines 33-Col. 7 lines 11)

Boyce also discloses the step of selectively decoding a predetermined number of introductory predictive pictures to obtain a properly decoded predictive picture (Fig. 3, Col. 12 lines 37-48)

Uchimi discloses converting step (Fig. 16, Col. 11 lines 41-57)

4. Regarding **claim 3**, Boyce discloses predetermined number is based in part on the amount of intra macroblocks in each introductory predictive pictures (Col. 10 lines 40-55).

5. Regarding **claim 4**, Uchimi discloses video segment contains at least one subsequent predictive picture and converting step further comprises the steps of:

- Selectively decoding subsequent predictive pictures (Fig. 15, Col. 11 lines 11-40)

- Selectively re-encoding into intra pictures predictive pictures selected from the group comprising subsequent predictive pictures or introductory predictive pictures (Fig. 15, Col. 11 lines 11-40).

6. Regarding **claim 5**, Boyce discloses wherein video segment is an MPEG video segment that does not contain any intra pictures (Col. 5 lines 55-67).

7. System **claims 6-10** are rejected for the same reasons as discussed in method claims 1-5 above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nigar Chowdhury whose telephone number is 571-272-8890. The examiner can normally be reached on 9 AM - 5 PM.

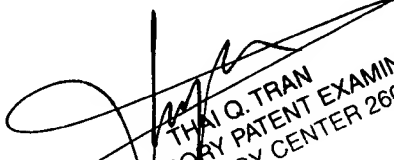
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NC

06/09/2007


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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600